

Docket No.: 070456-0071

PATENT

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re Application of	:	Customer Number: 20277
	:	
Yoshihiro HORI, et al.	:	Confirmation Number: 3563
	:	
Application No.: 10/522,176	:	Group Art Unit: 2169
	:	
Filed: January 24, 2005	:	Examiner: Hung Q. Pham
	:	
For:		DATA STORAGE DEVICE CAPABLE OF STORING MULTIPLE SETS OF HISTORY INFORMATION ON INPUT/OUTPUT PROCESSING OF SECURITY DATA WITHOUT DUPLICATION

**REQUEST FOR COMPLETE ACKNOWLEDGEMENT OF THE CITED ART**

Mail Stop ISSUE FEE  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

We are in receipt of the Notice of Allowance dated September 18, 2009.

In reviewing the file, it is noted that we have not received **complete** acknowledgement of the Information Disclosure Statements and cited art filed on January 24, 2005, October 29, 2008, June 30, 2009, and September 17, 2009. Specifically, **EP 1 237 324, JP 2002-189648, JP 2001-197292, JP 11-39450, JP 6-202926, and JP 5-46359** on the PTO-1449 Form submitted on January 24, 2005. Also, **Japanese Office Action with English Translation issued in Japanese Patent Application No. JP 2002-216750** on PTO-1449 Form submitted on October 29, 2008. Again, specifically **US**

**2002/0138442** as submitted on PTO-1449 Form on June 30, 2009, Also, specifically **JP 2003-248557, JP 2002-026890, JP 2002-164881 and Japanese Decision to Grant Patent w/English translation issued in Japanese Patent Application No. JP 2002-216750 dated September 8, 2008** as submitted on PTO-1449 Form on September 17, 2009.

Enclosed are copies of the Information Disclosure Statements, PTO-1449 Forms and the Acknowledgement Receipts and postcard receipts. Also, enclosed are copies of the PTO-1449 Forms which were partially initialed by the Examiner.

Applicant hereby respectfully requests that:

- (1) the **completely** acknowledged PTO-1449 be furnished to Applicant; and
- (2) the record be clarified to confirm that the cited art has been considered and made of record.

Respectfully submitted,

McDERMOTT WILL & EMERY LLP



Stephen A. Becker  
Registration No. 26,527

600 13<sup>th</sup> Street, N.W.  
Washington, DC 20005-3096  
Phone: 202.756.8000 SAB:ss  
Facsimile: 202.756.8087  
**Date: October 7, 2009**

**Please recognize our Customer No. 20277  
as our correspondence address.**

10/522176

DT07 Rec'd PCT/PTO 2.4 JAN 2005

Applicant:

Yoshihiro HORI, et al.

Docket No.

70456-071

DATA STORAGE DEVICE CAPABLE OF STORING A PLURALITY OF ITEMS OF HISTORY INFORMATION

RELATING TO INPUT/OUTPUT PROCESSING OF CLASSIFIED DATA WITHOUT OVERLAP

Serial/Reg./Patent No.

Not yet assigned

Title:

Date Sent:

1/24/2005

☒ Hand Carried

☐ Fax ☐ Electronic

☐ Cert. of Mailing

☐ First Class Mail

☐ Express Mail No.

☒ Transmittal Letter

☐ New Patent App

☐ Utility

☐ Design

☐ Cont.

☐ CIP

☐ Div.

☒ PCT

☐ RCE

☐ Prov

☐ Other:

69 pages of Specification

4 pages of Claims

1 pages of Abstract

30 pages of Formal/Informal Drawings

☐ Small Entity

☒ Large Entity

☒ Declaration/Power of Attorney

☒ Recordation of Assignment/Security Agreement

☒ Information Disclosure Statement

☐ Form PTO 1449

☐ 7 copies of cited references

☒ Preliminary Amendment

☐ Response to Missing Parts Notice

☐ Resp. to Notice to Correct App. Papers

☐ Certified Copy of Priority Doc.

☐ Claim for Convention Priority

☐ Response/Amendment to Office Action of

☐ Request for month Extension of Time

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Attumphies

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4-40.00

Early Serial Number

THE PATENT AND TRADEMARK OFFICE DATE STAMPED HEREON IS ACKNOWLEDGEMENT THAT THE ITEMS, CHECKED ABOVE, WERE RECEIVED BY THE PTO ON THE DATE STAMPED.

Docket No.: 70456-071

**PATENT**

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re Application of	:	Customer Number: 20277
	:	
Yoshihiro HORI, et al.	:	Confirmation Number: Not yet
assigned	:	
	:	
Application No.: Not yet assigned	:	Group Art Unit: Not yet assigned
	:	
Filed: January 24, 2005	:	Examiner: Not yet assigned
	:	

For: DATA STORAGE DEVICE CAPABLE OF STORING A PLURALITY OF ITEMS  
OF HISTORY INFORMATION RELATING TO INPUT/OUTPUT PROCESSING OF  
CLASSIFIED DATA WITHOUT OVERLAP

**INFORMATION DISCLOSURE STATEMENT**

Honorable Commissioner for Patents and Trademarks  
Washington, D. C. 20231

Sir:

In accordance with the provisions of 37 C.F.R. 1.56, 1.97 and 1.98, the attention of the Patent and Trademark Office is hereby directed to the references listed on the attached form PTO-1449. It is respectfully requested that the references be expressly considered during the prosecution of this application, and that the references be made of record therein and appear among the "References Cited" on any patent to issue therefrom.

This Information Disclosure Statement is being filed with the application and no certification or fee is required.

A copy of the foreign search report is attached for the Examiner's information. Please note this is a PCT application in the entry of the National Phase in the U.S. and copies of the references cited were transmitted by WIPO and are believed to be in the file of the above identified application and readily available to the Examiner. Therefore it is

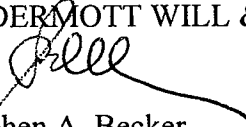
Not yet assigned

believed that Applicants have met all requirements regarding duty of disclosure under 37 CFR 1.56. Acknowledgement and consideration of these documents are respectfully requested.

A copy of the foreign search report is attached for the Examiner's information. Please note this is a PCT application in the entry of the National Phase in the U.S. However, to ensure that these references are available to the Examiner, we are providing copies of these references herewith. Since the Search Report was from the U.S. JPO or EPO search authorities, copies of these references should have been supplied to the USPTO under the trilateral agreement and are believed to be in the file of the above identified application and readily available to the Examiner.

Respectfully submitted,

McDERMOTT WILL & EMERY LLP

  
Stephen A. Becker  
Registration No. 26,527

600 13<sup>th</sup> Street, N.W.  
Washington, DC 20005-3096  
Phone: 202.756.8000 SAB:aph  
Facsimile: 202.756.8087  
**Date: January 24, 2005**

**Please recognize our Customer No. 20277  
as our correspondence address.**

<b>INFORMATION DISCLOSURE CITATION IN AN APPLICATION</b>  (PTO-1449)				ATTY. DOCKET NO. <b>70456-071</b>		SERIAL NO. <b>Not yet assigned</b>	
				APPLICANT <b>Yoshihiro HORI, et al.</b>			
				FILING DATE <b>January 24, 2005</b>		GROUP <b>Not yet assigned</b>	
<b>U.S. PATENT DOCUMENTS</b>							
EXAMINER'S INITIALS	CITE NO.	Document Number Number-Kind Code <sub>2</sub> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear		
		US					
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<b>FOREIGN PATENT DOCUMENTS</b>							
EXAMINER'S INITIALS	CITE NO.	Foreign Patent Document Country Codes-Number 4-Kind Codes (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines Where Relevant Figures Appear	Translation Yes	No
		WO 01/41356 A1	6-7-2001	SANYO ELECTRIC CO., LTD. et al.		JAPAN (w/English Abstract)	
		EP 1 237 324 A1	9-4-2002	SANYO ELECTRIC CO., LTD. et al.		X	
		JP 2002-189648 A	7-5-2002	HITACHI, LTD.		JAPAN (w/English Abstract)	
		JP 2001-197292 A	7-19-2001	KONICA CORP.		JAPAN (w/English Abstract)	
		JP 11-39450 A	2-12-1999	MITSUBISHI ELECTRIC CORP. et al.		JAPAN (w/English Abstract)	
		JP 6-202926 A	7-22-1994	FUJI XEROX CO., LTD.		JAPAN (w/English Abstract)	
		JP 5-46359 A	2-26-1993	MITSUBISHI ELECTRIC CORP.		JAPAN (w/English Abstract)	
<b>OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)</b>							
EXAMINER'S INITIALS	CITE NO.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.					
EXAMINER				DATE CONSIDERED			

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

1 Applicant's unique citation designation number (optional). 2 Applicant is to place a check mark here if English language Translation is attached.

SHEET 1 OF 1

<b>INFORMATION DISCLOSURE CITATION IN AN APPLICATION</b>  (PTO-1449)				ATTY. DOCKET NO. <b>70456-071</b>		SERIAL NO. <b>Not yet assigned</b> <div style="font-size: 1.5em; font-family: monospace;">10/522176</div>	
				APPLICANT <b>Yoshihiro HORI, et al.</b>			
				FILING DATE <b>January 24, 2005</b>		GROUP <b>Not yet assigned</b>	

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		US					
		US					
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FOREIGN PATENT DOCUMENTS							
EXAMINER'S INITIALS	CITE NO.	Foreign Patent Document Country Code <sup>1</sup> -Number 4-Kind Codes (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines Where Relevant Figures Appear	Translation Yes      No	
/H.P./		WO 01/41356 A1	6-7-2001	SANYO ELECTRIC CO., LTD. et al.		JAPAN (w/English Abstract)	
		EP 1 237 324 A1	9-4-2002	SANYO ELECTRIC CO., LTD. et al.		X	
		JP 2002-189648 A	7-5-2002	HITACHI, LTD.		JAPAN (w/English Abstract)	
		JP 2001-197292 A	7-19-2001	KONICA CORP.		JAPAN (w/English Abstract)	
		JP 11-39450 A	2-12-1999	MITSUBISHI ELECTRIC CORP. et al.		JAPAN (w/English Abstract)	
		JP 6-202926 A	7-22-1994	FUJI XEROX CO., LTD.		JAPAN (w/English Abstract)	
		JP 5-46359 A	2-26-1993	MITSUBISHI ELECTRIC CORP.		JAPAN (w/English Abstract)	

OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)		
EXAMINER'S INITIALS	CITE NO.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.

EXAMINER <b>/Hung Pham/</b>	DATE CONSIDERED <b>10/08/2008</b>
--------------------------------	--------------------------------------

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.  
 1 Applicant's unique citation designation number (optional). 2 Applicant is to place a check mark here if English language Translation is attached.



Docket No.: 070456-0071

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In re Application of	:	Customer Number: 20277
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Yoshihiro HORI, et al.	:	Confirmation Number: 3563
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Application No.: 10/522,176	:	Group Art Unit: 2169
	:	
Filed: January 24, 2005	:	Examiner: Hung G. Pham
	:	
For:		DATA STORAGE DEVICE CAPABLE OF STORING MULTIPLE SETS OF HISTORY INFORMATION ON INPUT/OUTPUT PROCESSING OF SECURITY DATA WITHOUT DUPLICATION

**INFORMATION DISCLOSURE STATEMENT**

Mail Stop Amendment  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Dear Sir:

In accordance with the provisions of 37 C.F.R. 1.56, 1.97 and 1.98, the attention of the Patent and Trademark Office is hereby directed to the documents listed on the attached form PTO-1449. It is respectfully requested that the documents be expressly considered during the prosecution of this application, and that the documents be made of record therein and appear among the "References Cited" on any patent to issue therefrom.

This Information Disclosure Statement is being filed more than three months after the U.S. filing date AND after the mailing date of the first Office Action on the merits, but before the mailing date of a Final Rejection or Notice of Allowance.

CERTIFICATION PARAGRAPH

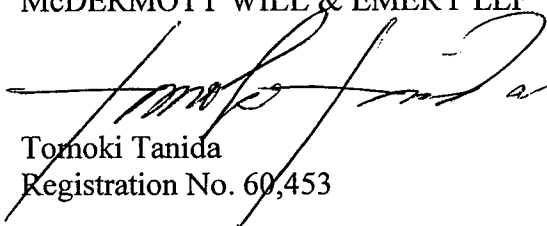
The undersigned certifies that each item of information contained in this Information Disclosure Statement was first cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this Information Disclosure Statement as described in 37 CFR 1.97(e)(1).

Each reference was cited in a Japanese Office Action and its relevance discussed therein. Please note that references **WO 01/041356**, **JP 11-039450**, **JP 2002-189648** and **JP 05-046359** were previously filed on January 24, 2005 and therefore, are not included. A copy of the Japanese Office Action, together with an English language version thereof, is attached for the Examiner's information.

Please charge any shortage in fees due in connection with the filing of this paper, including extension of time fees, to Deposit Account 500417 and please credit any excess fees to such deposit account.

Respectfully submitted,

McDERMOTT WILL & EMERY LLP



Tomoki Tanida  
Registration No. 60,453

600 13<sup>th</sup> Street, N.W.  
Washington, DC 20005-3096  
Phone: 202.756.8000 TT:ksa  
Facsimile: 202.756.8087  
**Date: October 29, 2008**

**Please recognize our Customer No. 20277  
as our correspondence address.**

INFORMATION DISCLOSURE STATEMENT BY APPLICANT				ATTY. DOCKET NO. <b>070456-0071</b>		SERIAL NO. <b>10/522,176</b>	
				APPLICANT <b>Yoshihiro HORI, et al.</b>			
				FILING DATE <b>January 24, 2005</b>		GROUP <b>2169</b>	
(Substitute for form 1449/PTO)							
U.S. PATENT DOCUMENTS							
EXAMINER'S INITIALS	CITE NO.	Document Number Number-Kind Code <sub>2</sub> ( <i>if known</i> )		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	
		US	7,340,055 B2	03-04-2008	HORI et al.	Corresponds w/ WO 01/069842	
		US	7,222,153 B2	05-22-2007	ANDO et al.	Corresponds w/ JP 2002-189648	
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FOREIGN PATENT DOCUMENTS							
EXAMINER'S INITIALS	CITE NO.	Foreign Patent Document Country Codes -Number 4--Kind Codes ( <i>if known</i> )		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines Where Relevant Figures Appear	Translation Yes No
		WO 01/069842 A1		09-20-2001	HITACHI, LTD.	Corresponds w/ US 7,340,055	JAPAN (w/ English Abstract)
OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)							
EXAMINER'S INITIALS	CITE NO.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.					
		Japanese Office Action, with English Translation, issued in Japanese Patent Application No. JP 2002-216750, dated July 29, 2008.					
EXAMINER				DATE CONSIDERED			

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.  
1 Applicant's unique citation designation number (optional). 2 Applicant is to place a check mark here if English language Translation is attached.



SHEET 1 OF 1

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(Substitute for form 1449/PTO)

ATTY. DOCKET NO.  
**070456-0071**SERIAL NO.  
**10/522,176**APPLICANT  
**Yoshihiro HORI, et al.**FILING DATE  
**January 24, 2005**GROUP  
**2169****U.S. PATENT DOCUMENTS**

EXAMINER'S INITIALS	CITE NO.	Document Number Number-Kind Codez (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
/H.P./		US 7,340,055 B2	03-04-2008	HORI et al.	Corresponds w/ WO 01/069842
/H.P./		US 7,222,153 B2	05-22-2007	ANDO et al.	Corresponds w/ JP 2002-189648
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**FOREIGN PATENT DOCUMENTS**

EXAMINER'S INITIALS	CITE NO.	Foreign Patent Document Country Codez-Number + Kind Codes (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines Where Relevant Figures Appear	Translation Yes No
/H.P./		WO 01/069842 A1	09-20-2001	HITACHI, LTD.	Corresponds w/ US 7,340,055	JAPAN (w/ English Abstract)

**OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)**

EXAMINER'S INITIALS	CITE NO.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.
		Japanese Office Action, with English Translation, issued in Japanese Patent Application No. JP 2002-216750, dated July 29, 2008.

EXAMINER

/Hung Pham/

DATE CONSIDERED

03/19/2009

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

1 Applicant's unique citation designation number (optional). 2 Applicant is to place a check mark here if English language Translation is attached.

## Electronic Acknowledgement Receipt

<b>EFS ID:</b>	5615851
<b>Application Number:</b>	10522176
<b>International Application Number:</b>	
<b>Confirmation Number:</b>	3563
<b>Title of Invention:</b>	Data storage device capable of storing multiple sets of history information on input/output processing of security data without duplication
<b>First Named Inventor/Applicant Name:</b>	Yoshihiro Hori
<b>Customer Number:</b>	20277
<b>Filer:</b>	Tomoki Tanida/Margaret Barham
<b>Filer Authorized By:</b>	Tomoki Tanida
<b>Attorney Docket Number:</b>	70456-071
<b>Receipt Date:</b>	30-JUN-2009
<b>Filing Date:</b>	24-JAN-2005
<b>Time Stamp:</b>	15:07:07
<b>Application Type:</b>	U.S. National Stage under 35 USC 371

### Payment information:

Submitted with Payment		no			
File Listing:					
Document Number	Document Description	File Name	File Size(Bytes)/ Message Digest	Multi Part /.zip	Pages (if appl.)
1	Transmittal Letter	IDS_070456-0071.pdf	79628	no	3
			32cbb12afe4c5b98f72ba142a64296f72e92d0d4		
Warnings:					
Information:					

This Acknowledgement Receipt evidences receipt on the noted date by the USPTO of the indicated documents, characterized by the applicant, and including page counts, where applicable. It serves as evidence of receipt similar to a Post Card, as described in MPEP 503.

**New Applications Under 35 U.S.C. 111**

If a new application is being filed and the application includes the necessary components for a filing date (see 37 CFR 1.53(b)-(d) and MPEP 506), a Filing Receipt (37 CFR 1.54) will be issued in due course and the date shown on this Acknowledgement Receipt will establish the filing date of the application.

**National Stage of an International Application under 35 U.S.C. 371**

If a timely submission to enter the national stage of an international application is compliant with the conditions of 35 U.S.C. 371 and other applicable requirements a Form PCT/DO/EO/903 indicating acceptance of the application as a national stage submission under 35 U.S.C. 371 will be issued in addition to the Filing Receipt, in due course.

**New International Application Filed with the USPTO as a Receiving Office**

If a new international application is being filed and the international application includes the necessary components for an international filing date (see PCT Article 11 and MPEP 1810), a Notification of the International Application Number and of the International Filing Date (Form PCT/RO/105) will be issued in due course, subject to prescriptions concerning national security, and the date shown on this Acknowledgement Receipt will establish the international filing date of the application.

Docket No.: 070456-0071

**PATENT**

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re Application of	:	Customer Number: 20277
	:	
Yoshihiro HORI, et al.	:	Confirmation Number: 3563
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Application No.: 10/522,176	:	Group Art Unit: 2169
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Filed: January 24, 2005	:	Examiner: Hung Q. Pham
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For:		DATA STORAGE DEVICE CAPABLE OF STORING MULTIPLE SETS OF HISTORY INFORMATION ON INPUT/OUTPUT PROCESSING OF SECURITY DATA WITHOUT DUPLICATION

**INFORMATION DISCLOSURE STATEMENT**

Mail Stop Amendment  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Dear Sir:

In accordance with the provisions of 37 C.F.R. 1.56, 1.97 and 1.98, the attention of the Patent and Trademark Office is hereby directed to the documents listed on the attached form PTO-1449. It is respectfully requested that the documents be expressly considered during the prosecution of this application, and that the documents be made of record therein and appear among the "References Cited" on any patent to issue therefrom.

This Information Disclosure Statement is being filed after the filing of a Request for Continued Examination (RCE) and before the mailing of a subsequent Office Action. No certification or fee is required.

Please charge any shortage in fees due in connection with the filing of this paper, including extension of time fees, to Deposit Account 500417 and please credit any excess fees to such deposit account.

Respectfully submitted,

McDERMOTT WILL & EMERY LLP



Tomoki Tanida  
Registration No. 60,453

600 13<sup>th</sup> Street, N.W.  
Washington, DC 20005-3096  
Phone: 202.756.8000 TT:mjb  
Facsimile: 202.756.8087  
**Date: June 30, 2009**

**Please recognize our Customer No. 20277  
as our correspondence address.**

<h1 style="margin: 0;">INFORMATION DISCLOSURE STATEMENT BY APPLICANT</h1> <p style="margin-top: 20px;">(Substitute for form 1449/PTO)</p>				ATTY. DOCKET NO. <b>070456-0071</b>		SERIAL NO. <b>10/522,176</b>	
				APPLICANT <b>Yoshihiro HORI, et al.</b>			
				FILING DATE <b>January 24, 2005</b>		GROUP <b>2169</b>	
<b>U.S. PATENT DOCUMENTS</b>							
EXAMINER'S INITIALS	CITE NO.	Document Number Number-Kind Code <sub>2</sub> (if known)		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	
		US 2002/0138442 A1		09-26-2002	HORI et al.		
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EXAMINER'S INITIALS	CITE NO.	Foreign Patent Document Country Codes - Number 4 - Kind Codes (if known)		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines Where Relevant Figures Appear	Translation  Yes                  No
<b>OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)</b>							
EXAMINER'S INITIALS	CITE NO.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.					
EXAMINER				DATE CONSIDERED			

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1 Applicant's unique citation designation number (optional). 2 Applicant is to place a check mark here if English language Translation is attached.

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<b>EFS ID:</b>	6092545
<b>Application Number:</b>	10522176
<b>International Application Number:</b>	
<b>Confirmation Number:</b>	3563
<b>Title of Invention:</b>	DATA STORAGE DEVICE CAPABLE OF STORING MULTIPLE SETS OF HISTORY INFORMATION ON INPUT/OUTPUT PROCESSING OF SECURITY DATA WITHOUT DUPLICATION
<b>First Named Inventor/Applicant Name:</b>	Yoshihiro Hori
<b>Customer Number:</b>	20277
<b>Filer:</b>	Stephen Alan Becker/Margaret Barham
<b>Filer Authorized By:</b>	Stephen Alan Becker
<b>Attorney Docket Number:</b>	70456-071
<b>Receipt Date:</b>	17-SEP-2009
<b>Filing Date:</b>	24-JAN-2005
<b>Time Stamp:</b>	14:52:24
<b>Application Type:</b>	U.S. National Stage under 35 USC 371

### Payment information:

Submitted with Payment	no				
<b>File Listing:</b>					
Document Number	Document Description	File Name	File Size(Bytes)/ Message Digest	Multi Part /.zip	Pages (if appl.)
1	Transmittal Letter	IDS_070456-0071.pdf	99896 ac304622dc5e15b90f6ebd9ec557711a803 ec760	no	3
<b>Warnings:</b>					
<b>Information:</b>					

2	NPL Documents	NPL_070456-0071.pdf	85753 78aa66621aa510bca852474bc82006d44c63fb75	no	6
<b>Warnings:</b>					
<b>Information:</b>					
3	Foreign Reference	REF1_070456-0071.pdf	1856375 619f72e953449db7f289d144770ff0e166718782	no	31
<b>Warnings:</b>					
<b>Information:</b>					
4	Foreign Reference	REF2_070456-0071.pdf	1880616 4842b470aa5fb12c3ea229440041393061f9b599	no	30
<b>Warnings:</b>					
<b>Information:</b>					
5	Foreign Reference	REF3_070456-0071.pdf	5731160 293d67d38b24c488738f7a76b38825f886597b24	no	110
<b>Warnings:</b>					
<b>Information:</b>					
<b>Total Files Size (in bytes):</b>			9653800		
<p>This Acknowledgement Receipt evidences receipt on the noted date by the USPTO of the indicated documents, characterized by the applicant, and including page counts, where applicable. It serves as evidence of receipt similar to a Post Card, as described in MPEP 503.</p> <p><b><u>New Applications Under 35 U.S.C. 111</u></b>  If a new application is being filed and the application includes the necessary components for a filing date (see 37 CFR 1.53(b)-(d) and MPEP 506), a Filing Receipt (37 CFR 1.54) will be issued in due course and the date shown on this Acknowledgement Receipt will establish the filing date of the application.</p> <p><b><u>National Stage of an International Application under 35 U.S.C. 371</u></b>  If a timely submission to enter the national stage of an international application is compliant with the conditions of 35 U.S.C. 371 and other applicable requirements a Form PCT/DO/EO/903 indicating acceptance of the application as a national stage submission under 35 U.S.C. 371 will be issued in addition to the Filing Receipt, in due course.</p> <p><b><u>New International Application Filed with the USPTO as a Receiving Office</u></b>  If a new international application is being filed and the international application includes the necessary components for an international filing date (see PCT Article 11 and MPEP 1810), a Notification of the International Application Number and of the International Filing Date (Form PCT/RO/105) will be issued in due course, subject to prescriptions concerning national security, and the date shown on this Acknowledgement Receipt will establish the international filing date of the application.</p>					

Docket No.: 070456-0071

**PATENT**

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re Application of	:	Customer Number: 20277
	:	
Yoshihiro HORI, et al.	:	Confirmation Number: 3563
	:	
Application No.: 10/522,176	:	Group Art Unit: 2169
	:	
Filed: January 24, 2005	:	Examiner: Hung Q. Pham
	:	
For:		DATA STORAGE DEVICE CAPABLE OF STORING MULTIPLE SETS OF HISTORY INFORMATION ON INPUT/OUTPUT PROCESSING OF SECURITY DATA WITHOUT DUPLICATION

**INFORMATION DISCLOSURE STATEMENT**

Mail Stop Amendment  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Dear Sir:

In accordance with the provisions of 37 C.F.R. 1.56, 1.97 and 1.98, the attention of the Patent and Trademark Office is hereby directed to the references listed on the attached form PTO-1449. It is respectfully requested that the references be expressly considered during the prosecution of this application, and that the references be made of record therein and appear among the "References Cited" on any patent to issue therefrom.

This Information Disclosure Statement is being filed after the filing of a Request for Continued Examination (RCE) and before the mailing date of a subsequent Office Action on the merits. No certification or fee is required.

Each Japanese reference was cited in a corresponding Japanese application Office Action and its relevance discussed therein. A copy of the Japanese Office Action, together with an

English language version thereof, is attached for the Examiner's information. Please note that the references **WO 01/41356**, **JP 11-39450 A**, **JP 2002-189648 A**, **JP 5-46359 A**, **JP 6-202926 A**, and **JP 2001-197292 A** have been previously submitted in an Information Disclosure Statement filed January 24, 2005. Also, please note that the reference **WO 01/69842** has been previously submitted in an Information Disclosure Statement filed October 29, 2008.

Please charge any shortage in fees due in connection with the filing of this paper, including extension of time fees, to Deposit Account 500417 and please credit any excess fees to such deposit account.

Respectfully submitted,

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**Date: September 17, 2009**

**Please recognize our Customer No. 20277  
as our correspondence address.**

<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (Substitute for form 1449/PTO)				ATTY. DOCKET NO. <b>070456-0071</b>		SERIAL NO. <b>10/522,176</b>	
				APPLICANT <b>Yoshihiro HORI, et al.</b>			
				FILING DATE <b>January 24, 2005</b>		GROUP <b>2169</b>	
<b>U.S. PATENT DOCUMENTS</b>							
EXAMINER'S INITIALS	CITE NO.	Document Number Number-Kind Code <sub>2</sub> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document		Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	
		US					
		US					
		US					
		US					
		US					
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<b>FOREIGN PATENT DOCUMENTS</b>							
EXAMINER'S INITIALS	CITE NO.	Foreign Patent Document Country Codes-Number 4-Kind Codes (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document		Pages, Columns, Lines Where Relevant Figures Appear	Translation Yes      No
		JP 2003-248557 A	09-05-2003	SANYO ELECTRIC CO			JAPAN (w/ English abstract)
		JP 2002-026890 A	01-25-2002	SANYO ELECTRIC CO			JAPAN (w/ English abstract)
		JP 2002-164881 A	06-07-2002	SANYO ELECTRIC CO; FUJITSU LTD; PFU LTD; HITACHI LTD; NIPPON COLUMBIA			JAPAN (w/ English abstract)
<b>OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)</b>							
EXAMINER'S INITIALS	CITE NO.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.					
		<b>Japanese Decision to Grant Patent, w/ English translation thereof, issued in Japanese Patent Application No. JP 2002-216750 dated September 8, 2009</b>					
EXAMINER				DATE CONSIDERED			

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

1 Applicant's unique citation designation number (optional). 2 Applicant is to place a check mark here if English language Translation is attached.